

**Title:  $2\text{-}^{18}\text{F}$ -Fluoro-2-Deoxyglucose Positron Emission Tomography In Delirium**

**Supplementary Material**

**Table S1: Summary of Visual Analysis of Scans Taken During and After Delirium**

Pt no.	Clinical notes, admission	Handedness	Clinical state at scan	Hypometabolic regions			SMC hypermetabolism	Comments
				Extent of involvement (lobes)	Regional locations*	Average severity of reduction	Overall cerebral uptake	
<b>Results of participants who underwent two scans</b>								
1	94F, UTI	Right	Delirium	8 (global)		Mod-severe	Uniform	Minor
			Post-delirium	8 (global)		Mod	Uniform	None observed
2	86F, cellulitis, known AD	Right	Delirium	8 (global)	Bl. frontal, parietal, temporal*	Mod-severe	Uniform	Intense
			Post-delirium	8 (global)	Bl. frontal, parietal, temporal*	Mod	Uniform	Intense
3	81M, pubic rami #	Right	Delirium	4	Bl. frontal and parietal	Mild	Patchy	Minor
			Post-delirium	2	Bl. parietal	Mild	Patchy	Minor
4	79F, pneumonia	Left	Delirium	6	Bl. frontal, parietal, temporal	Mod	Patchy	Minor
			Post-delirium	3	L frontal, R parietal, R temporal	Mild	Patchy	None observed
5	89M, delirium and social decline	Right	Delirium	4	Bl. frontal, parietal and focal L temporal	Mod-severe	Uniform	Mod
			Post-delirium	4	Bl. frontal,	Mod	Uniform	Mild L>R

					parietal and focal L temporal			
<b>6</b>	82M, pneumonia, known AD	Left	Delirium	6	Bl. parietal, temporal, occipital	Mod-severe	Uniform	Minor
					Bl. parietal, temporal, occipital	Mod	Uniform	None observed
<b>Results of participants only scanned during delirium</b>								
<b>7</b>	84F, sepsis	Right	Delirium	Small focal deficits in multiple lobes	Severe in small defects	Patchy	Nil	Pattern suggesting small infarcts or vasculitis. Basal ganglia and thalamus involved.
<b>8</b>	76M, humerus #, heel ulcers, known dementia (undifferentiate d)	Right	Delirium	6	Bl. frontal, parietal, temporal	Severe	Uniform	Intense
<b>9</b>	89F, urinary retention, constipation	Right	Delirium	6	Bl. frontal, parietal, occipital	Mod-severe	Patchy	Nil
<b>10</b>	81F, delirium	Left	Delirium	4	Bl frontal, parietal	Mod	Uniform	Mod (L>R) Occipital and posterior frontal increase
<b>11</b>	78F, infection	Right	Delirium	6	Bl. frontal, parietal, temporal	Mod	Uniform	Intense
<b>12</b>	81F, pseudogout, known AD	Right	Delirium	6	Bl. frontal, parietal, temporal	Mod	Uniform	Mod (L>R)
<b>13</b>	90M, pubic rami #, pneumonia	Right	Delirium	2	Bl. frontal + focal L	Mild	Uniform	Intense (L>R) ?traumatic defect in L temporal

temporal	lobe. Pituitary adenoma.
----------	-----------------------------

Abbreviations: Pt, patient; No., number; F, female; M, male; L, left; R, right; #, fracture; bl., bilateral; Mod, moderate; SMC, sensorimotor cortex

\*, in patients with global hypometabolism, the areas of regional hypometabolism refer to superimposed more pronounced abnormalities